

SEQUENCE LISTING

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Lohse, Jesper
Egholm, Michael
Manoharan, Muthiah
Kiely, John
Griffith, Michael
Sprankle, Kelly

<120> Peptide Nucleic Acid Conjugates

<130> ISIS2112

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<141> 1997-04-04

<150> PCT/US95/12931
<151> 1995-10-06

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<170> PatentIn Ver. 2.1

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<223> Description of Artificial Sequence: Novel Sequence

<220>

<221> misc_feature

<222> (9)

<223> a 2-porphyrin group tethered to the C-1 position
of the 2-aminoethyl portion of the designated PNA
oligomer

<400> 86

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<210> 87

<211> 20

<212> DNA

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<220>

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<222> (9)
<223> a photonuclease/intercalator ligand attached with
a tether to the C-1 position of the 2-aminoethyl
portion of the designated monomer in the oligomer

<400> 87
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20

<210> 88
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<222> (9)
<223> a photonuclease/intercalator ligand attached with
a tether to the serine O- position of the
designated monomers in the oligomer

<220>
<221> misc_feature
<222> (18)
<223> a photonuclease/intercalator ligand attached with
a tether to the serine O- position of the
designated monomers in the oligomer

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<222> (9)

<223> a bipyridinyl complex attached via a linker to the
C-1 position of the 2-aminoethyl portion of the
designated monomer in the oligomer

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<210> 90

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<222> (9)

<223> a pentylamino oxymethyl group attached at the C-1
of the 2-aminoethyl portion of the designated
monomer in the oligomer

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<222> (9)

<223> an HSAB group attached via a tether to the C-1
position of the 2-aminoethyl portion of the
designated monomer in the oligomer

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<222> (9)

<223> a 6 hexanoate group attached via a tether to the
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designated monomer in the oligomer

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<223> an imidazolyl group attached via a tether to the
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<222> (9)

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<223> cholesterol attached via a tether to the C-1 position of the 2-aminoethyl portion of the designated monomer in the oligomer

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<223> a cholesterol attached via a tether to the serine O-position of the designated monomers in the oligomer

<220>

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<222> (18)

<223> a cholesterol attached via a tether to the serine O-position of the designated monomers in the oligomer

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<223> a cholesterol group attached via a tether to the
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agtcacctac 10

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<210> 133
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10

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10

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10

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8

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8

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8

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8

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8

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8

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<222> (5)

<223> the incorporation of a monomeric unit containing a

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<222> (20)

<223> the incorporation of a monomeric unit containing a
protected thiol functionality

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22

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<211> 10

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Novel Sequence

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<222> (10)..(11)

<223> Lysine, AHA, Lysine, AHA, Lysine linkage

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<210> 152
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16

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16

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16

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16

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15

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16

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16

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<400> 161
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10